

### ABSTRACT OF THE INVENTION

An apparatus and method to vertically route and physically pass multiple optical fibers through the walls of a package. One variation is a method to route an optical fiber ribbon through a wall of a package by routing and securing the width of the optical fiber ribbon perpendicularly to a component within the package. Another variation involves a package having an enclosure with an opening through which a group of optical fibers are arrayed in a rectangular cross-section with a width which is longer than a thickness. The package includes a component inside the enclosure, a group of optical fibers routed through the opening to the component where the width of the rectangular cross-section is perpendicularly oriented to the base of the enclosure, and a clamp to secure the width of the rectangular cross-section of the group of optical fibers perpendicularly to the base of the enclosure.